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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Heinz, Guenther	Examiner: Kruer, Stefan Group Art Unit: 3654
Serial No.:	10/037,427	
Filed:	01/02/2002	AFFIDAVIT
For:	Lift Belt and System	37 CFR §1.132

I, Douglas R. Sedlacek, under penalty of law hereby declare as follows:

1. I reside at 7383 S. Quince Ct., Centennial, Colorado, US.

2. In 1981 I graduated from the University of Nebraska with a degree in Chemical Engineering.

3. My employment history with The Gates Corporation (Gates) comprises:

From 1981 to 1987 I was involved with the design of various aspects of multiple ribbed belts and toothed belts. This includes all aspects of rib and tooth design and belt material compounding. Compounding relates to selection of the various ingredients used in the belt including polymers (rubber), cure agents and fillers.

From 1987 to 2002 I was primarily involved with design for multiple ribbed belts. This involved rib and compounding design.

From 2002-2003 I was the Six Sigma coordinator for various projects including those related to multiple ribbed belts, toothed belts, and metals for pulleys and tensioners. This job concerned identifying and undertaking opportunities for improving the efficiency of the multiple ribbed belt and toothed belt manufacturing processes.

From 2003 to present I have been involved with rubber material compounding and belt design for multiple ribbed belts.

4. I have been employed by Gates working in the area of belt design and am familiar with the terminology of the belt arts. One skilled in the art recognizes there is a difference between a "rib" and a "tooth". These features and the terms they describe have long been established in the art.

5. A "rib" extends along the endless (longitudinal) axis of a belt. In most cases there are can be up to 6 or more ribs present on a belt. A ribbed belt and rib 14 is shown in Fig. 1. A ribbed belt is used in for power transmission where some slippage of the belt on the pulleys is not problematic. Other terms used in the art are "V-ribbed" or "multiple ribbed".

6. A "tooth" extends transversely across the width of a belt. In other words, a tooth is disposed at 90° to the direction of a rib. The teeth are spaced on intervals (pitch) of between 3-15 mm along the entire length of the belt. A toothed belt and tooth 16 is shown in Fig. 2. A toothed belt is used for operation of equipment where it is desirable for the driver and driven to be synchronized and slippage of the belt on the sprockets is not beneficial to the system.

7. These features are not equivalent and are not interchangeable. A ribbed belt runs on pulleys while a toothed belt runs on sprockets. A ribbed belt will not function in a system designed for a toothed belt. A "rib" is known in the belt arts and its use is unambiguous and clearly distinguishable from a "tooth".

8. Further affiant sayeth naught.

Date: 3/21/07

By: Douglas R Sedlacek
Douglas R. Sedlacek

State of Colorado)
)
County of Denver)

The foregoing was subscribed before me by Douglas R. Sedlacek on March 21, 2007.

My commission expires October 12, 2008

Isabel Ross Lincoln

ISABEL ROSS LINCOLN NOTARY PUBLIC STATE OF COLORADO

My Commission Expires 10/12/2008

Affidavit of Douglas R. Sedlacek; US Serial No. 10/037,427 filed 01/02/2002.

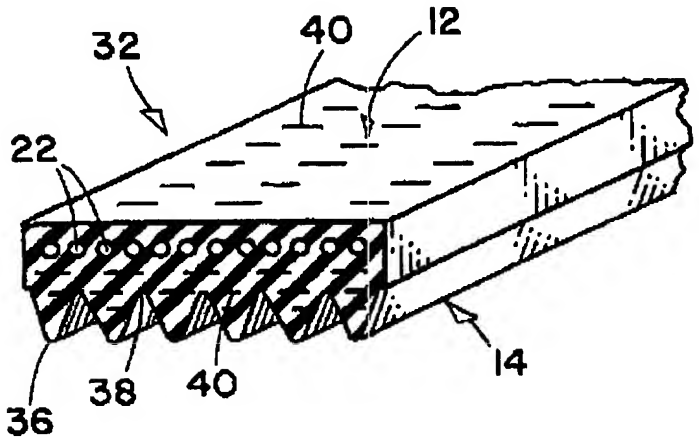

Fig. 1

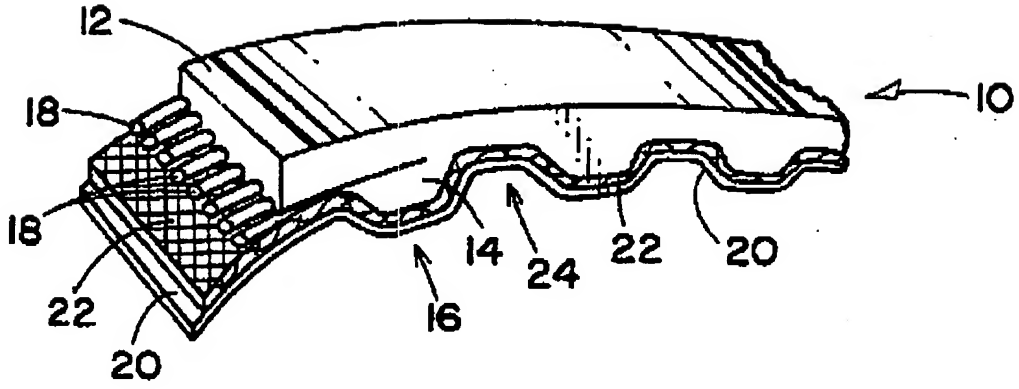

Fig. 2